

AMENDMENTS TO THE SPECIFICATION

Please revise the Abstract as follows:

An electrical storage device ~~of the present invention~~ is characterized in that a positive electrode, a negative electrode, a lithium electrode, and an electrolyte capable of transferring lithium ion ~~is included, are arranged so~~ the lithium electrode is ~~arranged to be~~ out of direct contact with the negative electrode, and ~~The~~ lithium ion can be supplied to the negative electrode by flowing a current between the lithium electrode and the negative electrode through an external circuit. As an alternative the lithium ion can be supplied to the positive electrode by flowing a current between the lithium electrode and the positive electrode through an external circuit. With the above characteristic, problems such as non-uniform carrying of lithium ion to the negative electrode, shape change of a cell, and temperature increase of an electrolytic solution under incomplete sealing of a cell and the like can be easily solved. A ~~using method of the electrical storage device is characterized in that, b~~ By using the lithium electrode as a reference electrode, the positive electrode potential and negative electrode potential can be measured, and the potential of the positive or negative electrode can be controlled when the electrical storage device is charged or discharged. Therefore, the potentials of the positive electrode and negative electrode can be monitored, thereby it can be easily determined whether deterioration of the electrical storage device is caused by the positive electrode or the negative electrode. Also, it is possible to control the device with the potential difference between the negative electrode and reference electrode, that is, the negative potential. In addition, when characteristics deteriorate such as the internal resistance increase, an appropriate amount of lithium ion can be supplied to the negative electrode and/or positive electrode by the lithium electrode.

Please amend Page 8, line 1 as follows:

DISCLOSURE SUMMARY OF THE INVENTION

Page 21, after line 25 please insert:

BRIEF DESCRIPTION OF THE DRAWINGS

FIG. 1 is a perspective view of a first embodiment of the present invention;
FIG. 2 is a plan view of a first embodiment of the present invention;
FIG. 3 is a cross-sectional view taken along I-I' of FIG. 2;
FIG. 4 is a cross-sectional view taken along II-II' of FIG. 2;
FIG. 5 is a cross-sectional view of a first example arrangement of a three-layered stack unit according to the present invention;
FIG. 6 is a cross-sectional view of a second example arrangement of a three-layered stack unit according to the present invention;
FIG. 7 is a cross-sectional view of a third example arrangement of a three-layered stack unit according to the present invention;
FIG. 8 is a plan view of a second embodiment of the present invention;
FIG. 9 is a plan view of a third embodiment of the present invention;
FIG. 10 is a cross-sectional view taken along I-I' line of FIG. 9;
FIG. 11 is a cross-sectional view taken along II-II' line of FIG. 9;
FIG. 12 is a plan view of a fourth embodiment of the present invention;
FIG. 13 is a cross-sectional view taken along I-I' line of FIG. 2;
FIG. 14 is a cross-sectional view taken along II-II' line of FIG. 2;
FIG. 15 is an expanded perspective view of an example electrode stack unit according to the present invention; and
FIG. 16 is an expanded perspective view of an example electrode stack unit according to the present invention.

Hereinafter, attached numerals will be described. The reference numeral 1 is a positive electrode, the reference numeral 2 is a negative electrode, the reference numeral 1a is a collector (positive electrode), the reference numeral 2a is a collector (negative electrode), the reference numeral 1b is a positive electrode terminal, the reference numeral 2b is a negative electrode terminal, the reference numeral 1c is a positive electrode laminated material composed of positive electrode active material, binder and the like, the reference numeral 2c is a negative electrode laminated material composed of negative electrode

active material, binder and the like, the reference numeral 3 is a separator, the reference numeral 4 is a laminate film, the reference numeral 5 is a laminate film (deeply drawn), the reference numeral 6 is an electrode stack unit, the reference numeral 7 is a lithium electrode, the reference numeral 7a is a lithium electrode collector, the reference numeral 7b is a lithium electrode terminal, the reference numeral 7c is a lithium metal or lithium alloy, the reference numeral 8 is a three electrode stack unit, the reference numerals 9a, 9b and 9c are wirings, and the reference numeral 10 is an electrode rolling unit. The capital letter A is a thermal connection portion between the positive electrode terminal and an outer film, the capital letter B is a thermal connection portion between the negative electrode terminal and the surface film, the capital letter C is a thermal connection portion between the lithium electrode terminal and the surface film, the capital letter D is a thermal connection portion of the surface film, the capital letter A' is a welding portion between a terminal welding portion of the positive electrode collector and the positive electrode terminal, the capital letter B' is a welding portion between a terminal welding portion of the negative electrode collector and the negative electrode terminal, the capital letter C' is a welding portion between a terminal welding portion of the lithium electrode collector and the lithium electrode terminal, and the symbol (*) shows a width of the widened electrode of the second embodiment compared with the other Embodiments.

DETAILED DESCRIPTION OF THE INVENTION

Please delete Page 51, line 10 to Page 54, line 6.